

Find Repeats Element

Finds repeats in each supplied sequence, stores found regions as annotations.

Element type: repeats-search

Parameters

Parameter	Description	Default value	Parameter in Workflow File	Type
Annotate as (required)	Name of the result annotation to mark found repeats.	repeat_unit	result-name	<i>string</i>
Algorithm	Control over variations of the algorithm.	Auto	algorithm	<i>numeric</i> Available values are: <ul style="list-style-type: none">• 0 - algorithm choosed automaticly• 1 - for diagonal algorithm• 2 - for suffix index algorithm
Filter nested	Filters nested repeats.	True	filter-nested	<i>boolean</i>
Identity	Repeats identity in percent.	100	identity	<i>numeric</i>
Inverted	Specifies to search for inverted repeats.	False	inverted	<i>boolean</i>
Max distance	Maximum distance between the repeats.	5000	max-distance	<i>numeric</i>
Min distance	Minimum distance between the repeats.	0	min-distance	<i>numeric</i>
Min length	Minimum length of the repeats.	5	min-length	<i>numeric</i>
Parallel threads	Number of parallel threads used for the task.	Auto	threads	<i>numeric</i> 0 - for using autodetected threads number

Input/Output Ports

The element has 1 *input port*:

Name in GUI: *Input sequence*

Name in Workflow File: in-sequence

Slots:

Slot In GUI	Slot in Workflow File	Type
Sequence	sequence	<i>sequence</i>

And 1 *output port*:

Name in GUI: *Repeat annotations*

Name in Workflow File: out-annotations

Slots:

Slot In GUI	Slot in Workflow File	Type
Set of annotations	annotations	<i>annotation-table</i>